

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050PLEASE NOTE:
YOU MUST
COMPLETE THE
FOLLOWINGCOMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:

4' THIONUCLEOTIDES

Fill in Appropriate

the specification of which is attached hereto. If not attached hereto, the application is identified by the attorney docket number as set forth above and/or the following:

Information -
For Use Without
Specification
Attached:

The specification was filed on _____ as
United States Application Number _____;
and amended on _____ (if applicable) and/or
the specification was filed on August 21, 2003 _____ as PCT
International Application Number PCT/JP2003/010576 _____; and was
amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

Insert Priority
Information:
(if appropriate)

2002-242259	JAPAN	08/22/2002	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)		
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.

Insert Provisional
Application(s):
(if any)

(Application Number)	(Filing Date)
(Application Number)	(Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

Insert Requested
Information:
(if appropriate)

Country	Application Number	Date of Filing (Month/Day/Year)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s), including for continuation-in-part application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Insert Prior U.S.
Application(s):
(if any)

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)

Attorney Docket No. _____

I hereby appoint the practitioners at CUSTOMER NO. 02292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 02292

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:
YOU MUST
COMPLETE
THE
FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First
or Sole Inventor
Insert Name of
Inventor
Insert Date This
Document is Signed

GIVEN NAME/FAMILY NAME

Akira MATSUDA

INVENTOR'S SIGNATURE

Akira Matsuda

DATE*

03/10/2005

Insert Residence
Insert Citizenship

Residence (City, State & Country)

Hokkaido, Japan

JPX

CITIZENSHIP

Japanese

Insert Post Office
Address

MAILING ADDRESS (Complete Street Address including City, State & Country)

c/o Medicinal Chemistry, Graduate School of Pharmaceutical Sciences, Hokkaido University, Kita 12-jo Nishi 6-chome, Kita-ku, Sapporo-shi, Hokkaido 060-0812 Japan

Full Name of Second
Inventor, if any:
see above

GIVEN NAME/FAMILY NAME

Yuka KATO

INVENTOR'S SIGNATURE

加藤 優佳

DATE*

03/10/2005

Residence (City, State & Country)

Hokkaido, Japan

JPX

CITIZENSHIP

Japanese

MAILING ADDRESS (Complete Street Address including City, State & Country)

c/o Medicinal Chemistry, Graduate School of Pharmaceutical Sciences, Hokkaido University, Kita 12-jo Nishi 6-chome, Kita-ku, Sapporo-shi, Hokkaido 060-0812 Japan

Full Name of Third
Inventor, if any:
see above

GIVEN NAME/FAMILY NAME

Noriaki MINAKAWA

INVENTOR'S SIGNATURE

Noriochi Minakawa

DATE*

03/10/2005

Residence (City, State & Country)

Hokkaido, Japan

JPX

CITIZENSHIP

Japanese

MAILING ADDRESS (Complete Street Address including City, State & Country)

c/o Medicinal Chemistry, Graduate School of Pharmaceutical Sciences, Hokkaido University, Kita 12-jo Nishi 6-chome, Kita-ku, Sapporo-shi, Hokkaido 060-0812 Japan

Full Name of Fourth
Inventor, if any:
see above

GIVEN NAME/FAMILY NAME

INVENTOR'S SIGNATURE

DATE*

Residence (City, State & Country)

CITIZENSHIP

MAILING ADDRESS (Complete Street Address including City, State & Country)

Full Name of Fifth
Inventor, if any:
see above

GIVEN NAME/FAMILY NAME

INVENTOR'S SIGNATURE

DATE*

Residence (City, State & Country)

CITIZENSHIP

MAILING ADDRESS (Complete Street Address including City, State & Country)

Full Name of Sixth
Inventor, if any:
see above

GIVEN NAME/FAMILY NAME

INVENTOR'S SIGNATURE

DATE*

Residence (City, State & Country)

CITIZENSHIP

MAILING ADDRESS (Complete Street Address including City, State & Country)